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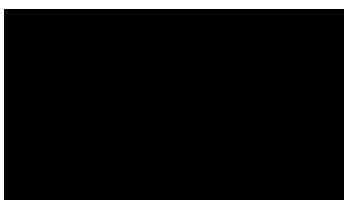
Site Visit Report	Project: Taloqan Children's Park Construction
Location: Taloqan City, Takhar Province	Coordinates: Latitude: N36°44'14.886" Longitude: E 69°32'2.358"
Inspection Date: November 16, 2013	Weather: Sunny, Temp @19 C⁰ , No Precipitation
Inspectors: 	Status: Incomplete

PRESENTED TO

**United States Agency for International Development (USAID)
Office of Economic Growth and Infrastructure (OEGI)**

RampUP North

Great Massoud Road
Kabul, Afghanistan



Title: **Deputy Chief of Party**

Date: **03/08/14**

PRESENTED BY

**Tetra Tech, Inc.
Afghanistan Engineering Support Program
Contract No. EDH-I-00-08-00027-00
Task Order No. 1**

Work Order WO-LT-0009 AMD #5

Shash Darak
Kabul, Afghanistan

EXECUTIVE SUMMARY

The Taloqan Children's Park Construction Project is located in Taloqan City, Takhar Province. It includes a playground, stone masonry surrounding wall with steel fencing, a four-cabin latrine (two for boys and two for girls), one (1) guard room, public seating area, sidewalks, and one (1) tube well. This project is funded by USAID/RC-North and partially funded by Taloqan Municipality.

On November 16, 2013, two (2) engineers from Tetra Tech (Tt) Afghanistan Engineering Support Program (AESP) traveled to Taloqan City, Takhar Province to evaluate the visible completed works for the children's park. Tt determined the construction work for the Taloqan Children's Park is well underway but incomplete. The contractor's remaining work consists of painting of the main entrance gates, painting the fence on the top of boundary wall, installation of light fixtures on top of boundary walls, grounding system, ventilation of the latrine building, painting of playground equipment, construction of seven (7) reinforced cement concrete (RCC) benches, plastering and painting of all thirty (30) RCC benches, construction of roof truss on latrine building, construction of water well platform, placement of plain cement concrete (PCC) in the gaps between the ring beams of water tower, connection of the water pump between generator room and inlet pipe to the elevated water tank, connection of water supply line to the latrine building, installation of shelves, wooden wall and Chinese ceiling for the existing shade canopy. The Municipality's portion of the construction work has not been started yet. The Taloqan Municipality's remaining work consists of greenery work for the park, installation of the trash bins, and planting trees.

DISCLAIMER

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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APPENDICES

APPENDIX A – TALOQAN CHILDREN PARK DRAWING

APPENDIX B – TALOQAN CHILDREN PARK SCOPE OF WORK (SOW)

This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.

1.0 INTRODUCTION

Taloqan City is the capital of Takhar Province, in northeastern Afghanistan. The population was estimated as 196,400 in 2006. Taloqan Children's Park construction project is located in District #3 of Taloqan city. The Municipality of Taloqan did not have any parks for children, therefore, children did not have a safe place for recreation and entertainment. According to the Municipal Master Plan, a piece of land has been allocated for this purpose, however, the area was lacking any park facilities or equipment. On September 26, 2012, a joint meeting of the Service Delivery Advisory Group (SDAG) and the Public Administration Advisory Group (PAAG) (22 participants, including 1 woman and 12 men from the SDAG and 9 men from the PAAG) was held. Participants selected the construction of a children's park as the first priority for the Taloqan Municipality. The proposed project requires construction work, which was sub-contracted to a private company funded by USAID.

Site preparation (cutting, filling, leveling, and compacting) of 2,488 square meter area, construction of 536 square meters of sidewalks, stone masonry with fence works for boundary wall, installation of park equipment including swing set, compound playground (monkey bars, slide, and ladder), see-saw, RCC pipe culvert, four latrine stalls (two boys, two girls), a tube well, installation of a water pump, elevated water tank and installation of a generator are all funded by USAID. Taloqan Municipality's contribution includes site preparation for greenery of the park, installation of trash bins, greenery of the park, and planting of trees.

2.0 SITE VISIT

Two (2) engineers from Tetra Tech (Tt) Afghanistan Engineering Support Program (AESP) reviewed the project documentation for Taloqan Children's Park and traveled to Taloqan, Takhar Province on November 17, 2013 to evaluate the visible completed works. The provided project documents included drawings in (Appendix A), and Scope of Work (SOW) in (Appendix B). Tt engineers were accompanied by DAI site engineer and construction manager during site evaluation. Findings of this site observation are documented in this report. Including photos provided in the Figures section pages 6 through 25.

3.0 SITE VISIT DETAILS: USAID RESPONSIBILITY

Regarding the USAID funded portion of works, the following was observed:

1. Construction and installation of two (2) main gates is complete per the plan. (Figures 1 and 2) Installation of third main gate in the north side of the park is in progress, however painting the gates has yet started. (Figure. 3) Site measurement taken of the gate width is 2.9 meters; however, the drawing indicates 3 meters.
 - a. **Remaining work:** Contractor is required to paint the main entrance gates with two (2) coats of anti-rust paint and two (2) coats oil paint.
2. Construction of stone masonry boundary wall with total length of 238 meters with installation of fence on the top of boundary wall is complete per plan. (Figures 4, 5, 6, 7 and 8) The lighting work for park area has not been started. (Figure 9)
 - a. **Remaining work:** The contractor is required to paint the fence on top of the boundary wall with two (2) coats of anti-rust paint and two (2) coats oil paint.
 - b. **Remaining work:** The contractor is required to install the light fixtures on top of the boundary wall columns according to the project drawings.
3. Installation of branch circuits for the light fixtures on top of the boundary wall columns is complete, however, the contractor did not install the Poly Vinyl Chloride (PVC) conduits in nine (9) columns on the north side of the park. (Figure 10) Construction of sidewalks including leveling and placement of base course, PCC, terrazzo tiles, concrete curbstone is incomplete; placement of terrazzo tiles on some sections is in progress. (Figures 11, 12 and 13)
4. The construction of three (3) PCC ramps in the middle of the children's park connecting the center sidewalks with four sides of greenery area is complete per plan. (Figures 14 and 15).
 - a. **Remaining work:** The contractor is required to construct the fourth PCC sidewalk.

5. Installation of playground equipment including four (4) swing sets, two (2) compound playground sets (monkey bars, slide, and ladder), four (4) see-saws, four (4) slides is in progress.(Figures 16, 17, 18, 19, 20 and 21)
 - a. **Remaining work:** The contractor is required to paint all park playground equipment.
6. Construction of thirty (30) RCC park benches is incomplete.(See Figures 22, 23, 24 and 25)
 - a. **Remaining work:** The contractor is required to complete the construction of thirty (30) RCC benches with plastering and painting works.
7. Construction of four (4) latrine stalls two (2) for boys and two (2) for girls is incomplete. (Figures 26, 27, 28, 29, 30 and 31)
 - a. **Remaining work:** The contractor is required to place one layer of sealant (Isogamy) on floor of latrine building.(Figure 27)
 - b. **Remaining work:** The contractor is required to place ceramic tiles on floor and walls of latrine building.(Figures 29 and 31)
 - c. **Remaining work:** The contractor is required to apply three coats of 100 % plastic painting on interior and exterior walls, and ceiling of latrine building.(Figures 28 and 29)
 - d. **Remaining work:** The contractor is required to complete the latrine building roof truss work with all related activities according to the plan.
 - e. **Remaining work:** The contractor is required to complete the grounding and ventilation of the latrine building according to the SOW.

Note: It is indicated in the SOW, that wooden doors and windows should be installed in latrine building however, the sub-contractor has installed PVC doors and windows in latrine building. (Figures 28 and 29)
8. Construction of black water hand hole for latrine building is incomplete.(Figure 32)
 - a. **Remaining work:** The contractor is required to install a steel or concrete cover on top of hand hole.
9. Construction of the water well that includes digging a well drilled up to 45 meters depth, installation of pipe casing and installation of submersible water pump is complete.(Figure 33 and 34)
10. Construction of the platform (Apron) in water well area, connection of water well pump to generator room, and connection of inlet pipe to the elevated water tank have not been started.(Figure 33 and 34)
 - a. **Remaining Work:** The contractor is required to construct the platform, connect the submersible water pump to generator room, and connect the inlet pipe to the elevated water tank according to the project SOW.
11. Construction of elevated water tank (6000 liter capacity), water tower with six (6) meter height, and the piping work is complete per the plan. Figures 35 and 37)
12. Placement of PCC in the gaps between the ring beam of water tower, connection of inlet pipe to the elevated water tank and installation of supply pipe to latrine building has not been started. (Figure 36)
 - a. **Remaining Work:** The contractor is required to place PCC in the gaps between the ring beams of water tower, connect the inlet pipe of water tank, and connect supply line to the latrine building.
13. The provided bill of quantity (BoQ) and the plans indicate a septic tank with capacity of 24 cubic meters should be constructed on the outside of the northern boundary wall, behind latrine building, however, according to DAI and sub-contractor engineers, the subcontractor constructed a septic tank with capacity of 210 cubic meters in northwest corner of the park and the construction work is complete.(Figures 38)
14. The painting of existing shade canopy is incomplete. (Figure39)
 - a. **Remaining work:** The contractor is required to install shelves, wooden wall, and Chinese ceiling with all required activities according to the project SOW.
15. RCC pipe culverts for irrigation and rainfall water is constructed on both side of the northern and southern main entrance gate while the northern pipe culvert is not placed at the location as indicated in the plans.(Figure 40)

Note: According to DAI engineer, USAID has canceled the construction of generator room and guardroom indicated on the drawing Number 2/21 therefore, the contractor did not construct the mentioned facilities.

Based on the above summary, Tt has determined USAID's portion of the construction work for the Taloqan children's park is well underway, but incomplete. The contractor's remaining work consists of painting the main entrance gates, painting the top of boundary wall fence, installation of light fixtures on top of boundary walls, grounding system and ventilation of the latrine building, painting of playground equipment, construction of seven (7) RCC benches, plastering and painting of thirty (30) RCC benches, construction of roof truss on latrine building, construction of water well platform, placement of PCC in the gaps between the ring beams of water tower, connection of the water pump with generator room and inlet pipe to the elevated water tank, connection of water supply line to the latrine building, installation of shelves, wooden wall, and Chinese ceiling for the existing shade canopy.

4.0 SITE VISIT DETAILS: TALOQAN MUNICIPALITY RESPONSIBILITY

Regarding the Taloqan Municipality funded portion of works, the following was observed:

1. The site preparation and greenery work for the park has not been started.
 - a. **Remaining work:** The Taloqan Municipality is required to do the greenery works for the park.
2. Installation of the trash bins has not been started.
 - a. **Remaining work:** The Taloqan Municipality is required to install the trash bins.
3. Planting of the trees has not been started.
 - a. **Remaining work:** The Taloqan Municipality is required to plant trees in the park.

Based on the above summary, Tt has determined Taloqan Municipality's portion of the construction work for the Taloqan children's park has not been started. The Taloqan Municipality's remaining work consists of greenery work for the park, installation of the trash bins, and planting of trees.

FIGURES

Figure 1. Southern main entrance gate



Figure 2. Western main entrance gate

FIGURES (CONTINUED)

Figure 3. Northern main entrance gate



Figure 4. Western view of boundary wall with fence

FIGURES (CONTINUED)

Figure 5. Southern view of boundary wall with fence



Figure 6. Tt engineer measuring the height of stone masonry wall

FIGURES (CONTINUED)

Figure 7. Tt engineer measuring the width of fence panel



Figure 8. Tt engineer measuring the height of fence panel

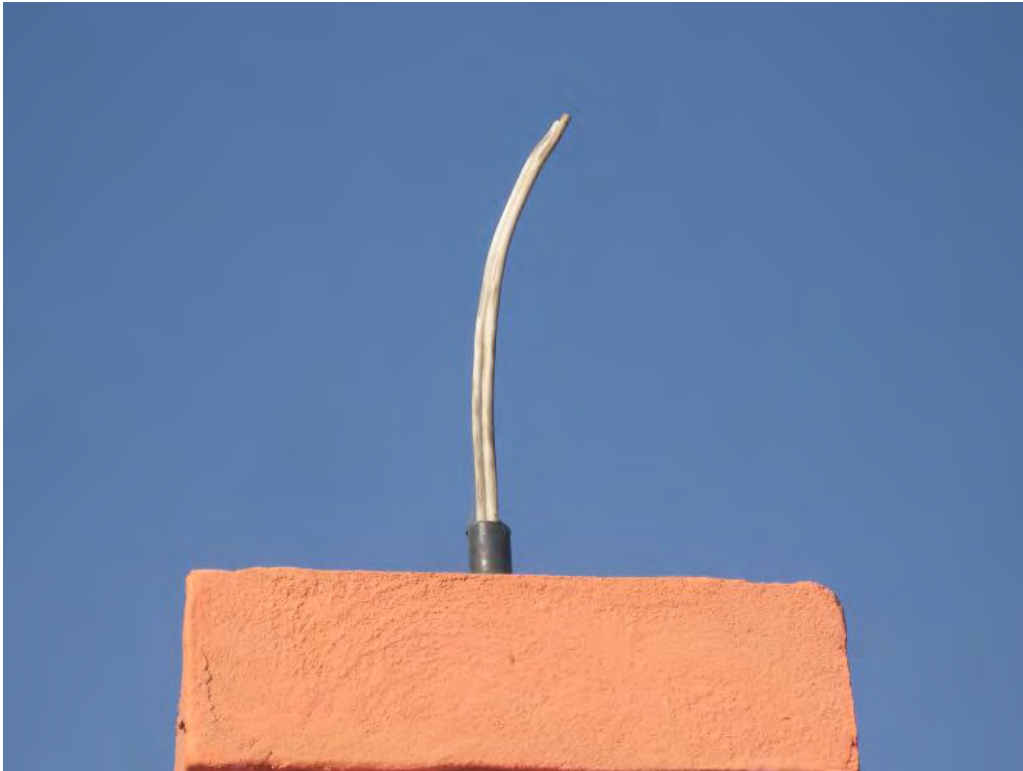
FIGURES (CONTINUED)

Figure 9. Installed PVC conduit with branch circuit on top of the boundary wall



Figure 10. Installed branch circuit without PVC conduit on top of the boundary wall

FIGURES (CONTINUED)

Figure 11: Mosaic paved sidewalk connecting southern gate to the center of the park



Figure 12: Mosaic paved sidewalk connecting northern gate to the center of the park

FIGURES (CONTINUED)

Figure 13. Mosaic paved sidewalk, connecting eastern gate to the center of the park



Figure 14. Constructed PCC sidewalk

FIGURES (CONTINUED)

Figure15. Constructed PCC sidewalk



Figure 16. Children playground area

FIGURES (CONTINUED)

Figure 17. Installed slides with ladder in playground area



Figure 18. Tt engineer measuring the width of the slides

FIGURES (CONTINUED)

Figure 19. Installed seesaw in the playground area



Figure 20. Installed swing seats in the playground area

FIGURES (CONTINUED)

Figure 21. Tt engineer measuring the foundations of the swing seats



Figure 22. Constructed RCC benches

FIGURES (CONTINUED)

Figure 23. Front view of the RCC bench



Figure 24. Side view of the RCC bench

FIGURES (CONTINUED)

Figure 25. RCC bench rebar



Figure 26. Exterior view of latrine building

FIGURES (CONTINUED)

Figure 27. Top view of latrine building



Figure 28. Side view of latrine building

FIGURES (CONTINUED)

Figure 29. Interior view of latrine building



Figure 30. Interior view of latrine's cabin

FIGURES (CONTINUED)

Figure 31. Plumbing system for latrine building



Figure 32. Latrine building's black water hand hole

FIGURES (CONTINUED)

Figure 33. Water well platform view



Figure 34. Water well platform view

FIGURES (CONTINUED)

Figure 35. Elevated water tank



Figure 36. Connection of inlet pipe to the elevated water tank

FIGURES (CONTINUED)

Figure 37. Water tower column's connection



Figure 38. View of the PVC pipe placed on top of the septic tank

FIGURES (CONTINUED)

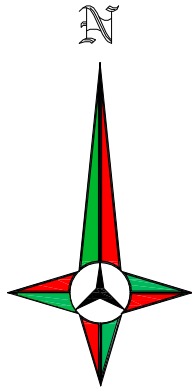
Figure 39. Renovation of existing canopy



Figure 40. RCC pipe culvert at main entrance gate

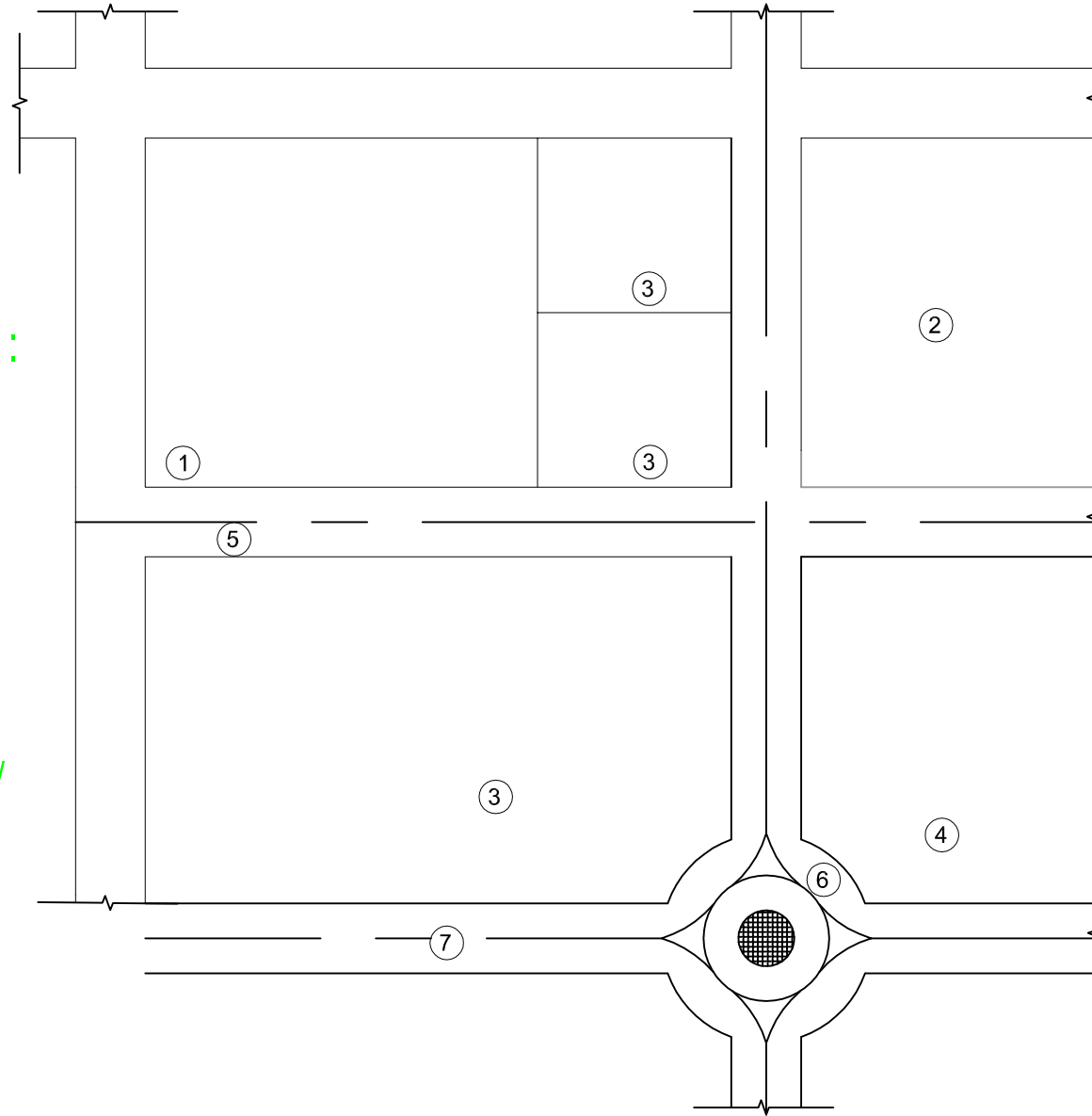
APPENDIX A – TALOQAN CHILDREN PARK DRAWING

General Plan



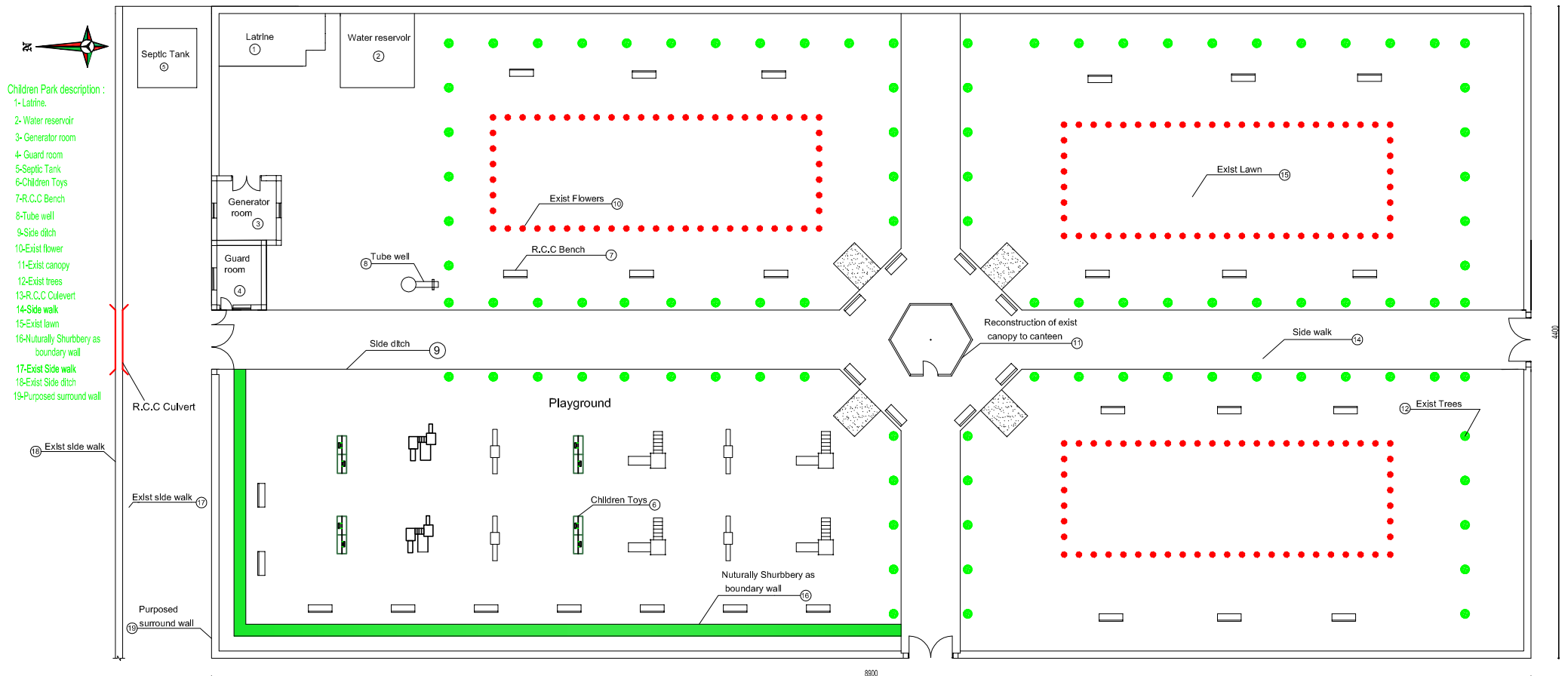
Site plan description :

- 1- Children Park area .
- 2- House
- 3- Trading Market
- 4- Municipality Grass
- 5-Sari sang 1th street
- 6-Taloqan Central Square
- 7-Taloqan Kunduz high way



Drawing Title: Site plan	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 1/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

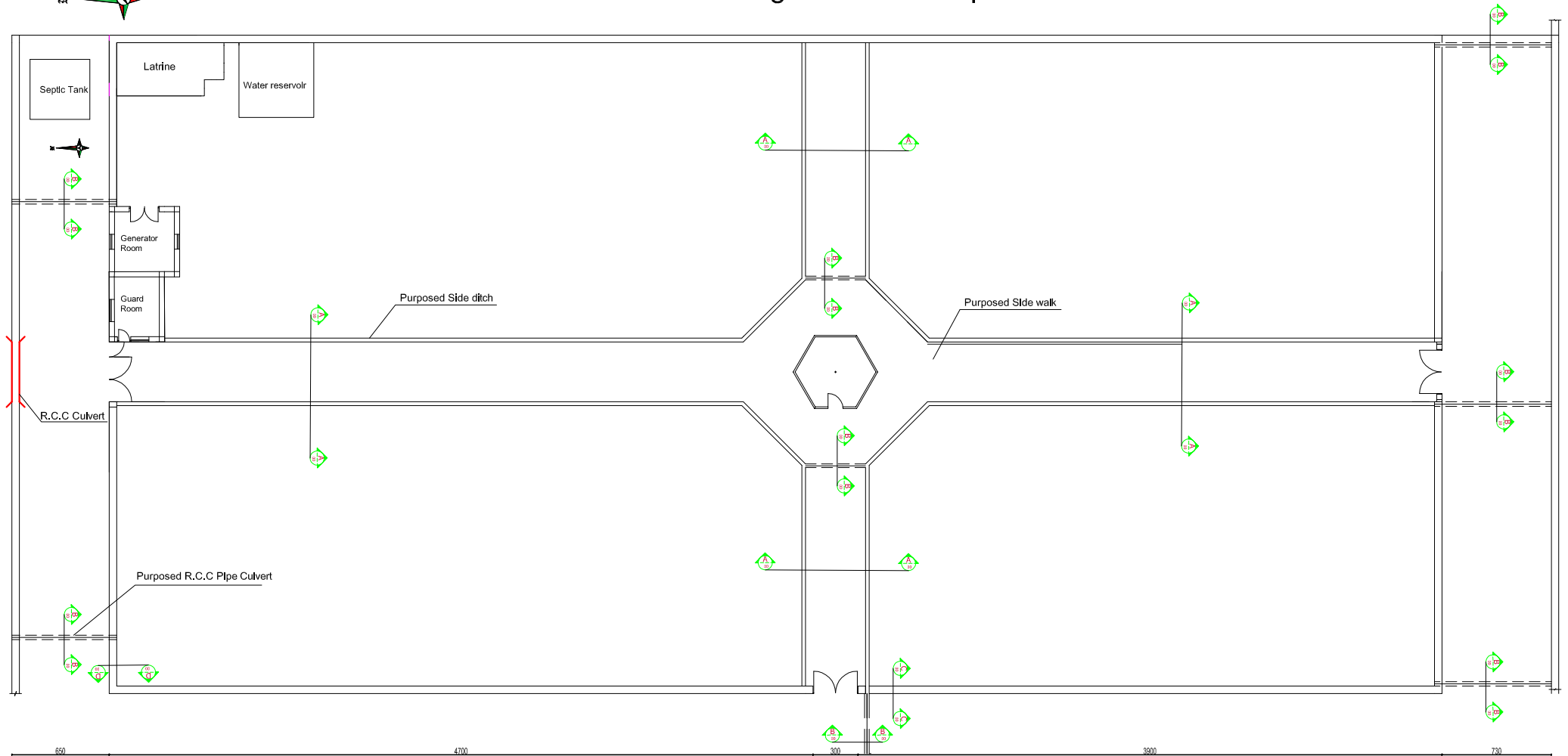
Taloqan Children Park plan



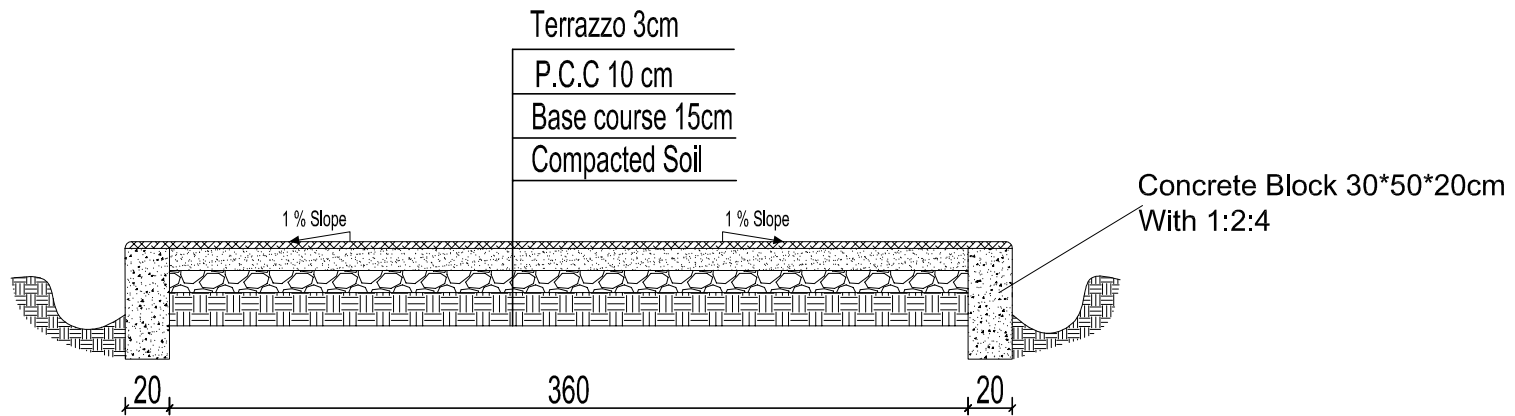
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	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 2/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drainage & Side walk plan

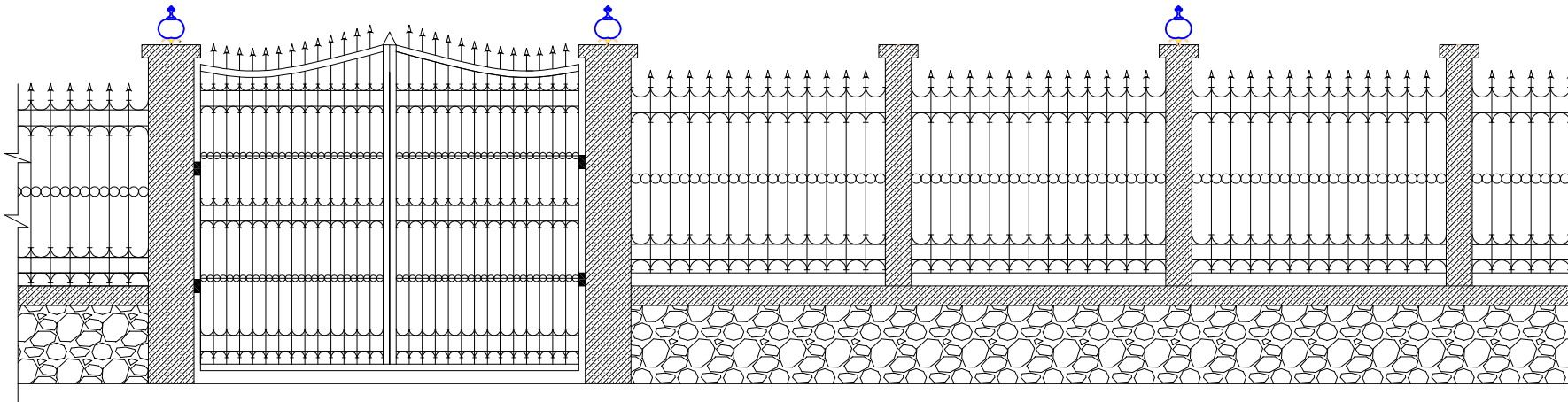


Drawing Title: Drainage &Side walk Plan	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 3/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

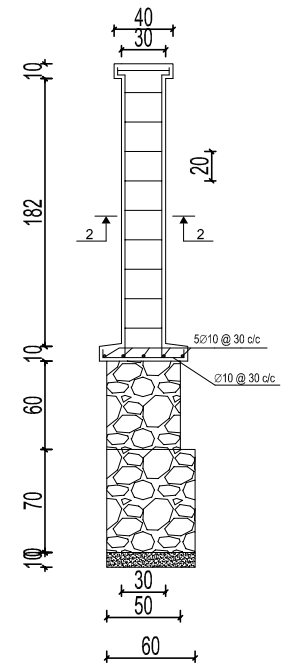


Section A-A

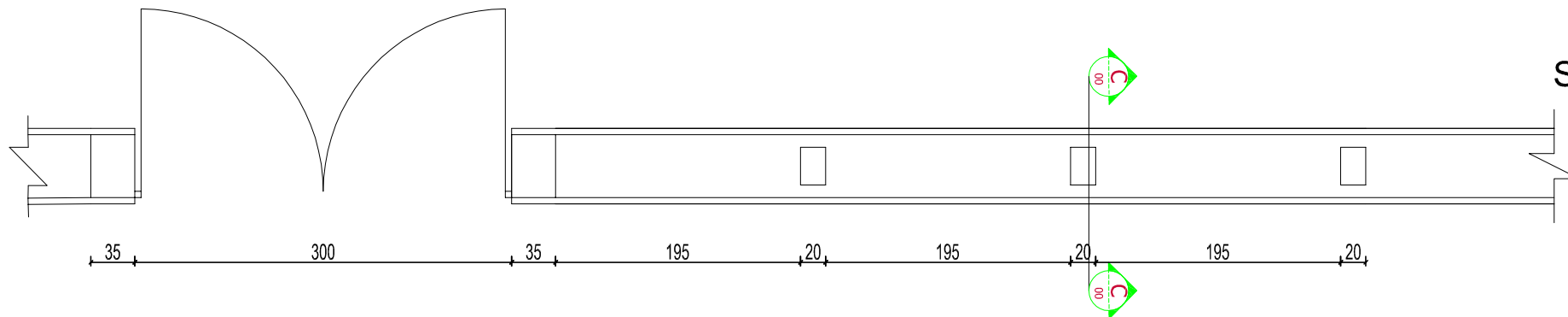
Drawing Title: Side walk Section	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 4/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Fence surround wall front view



Section C-C



Fence surround wall Plan

Drawing Title:
Fence front view

Action:

Surveyed and drawn by:

Conceptual Approved by:

Conceptual Approved by:

Designed by:

Technical checked by:

Approved by:

Name:



Position / Organization :

Taloqan Municipality Engineer

Mayor of Taloqan

Head of Taloqan SDAG

RUN-Taloqan Municipal Engineering Advisor

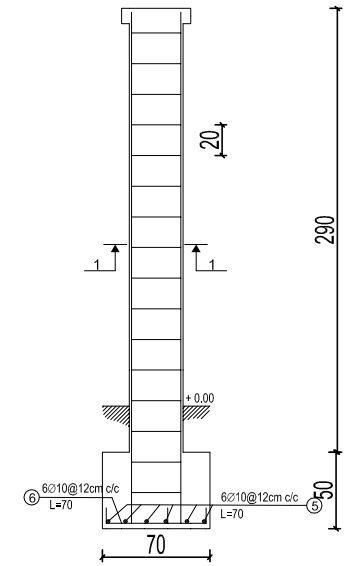
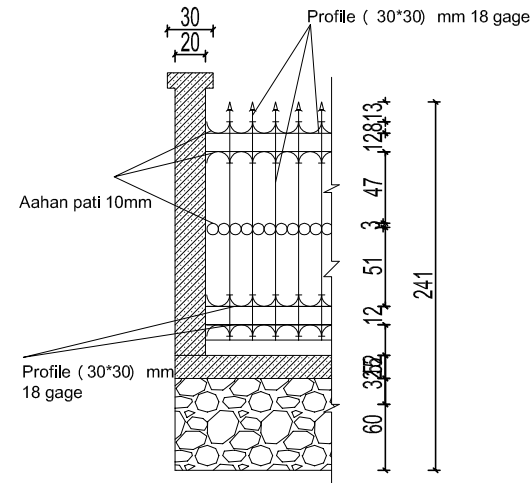
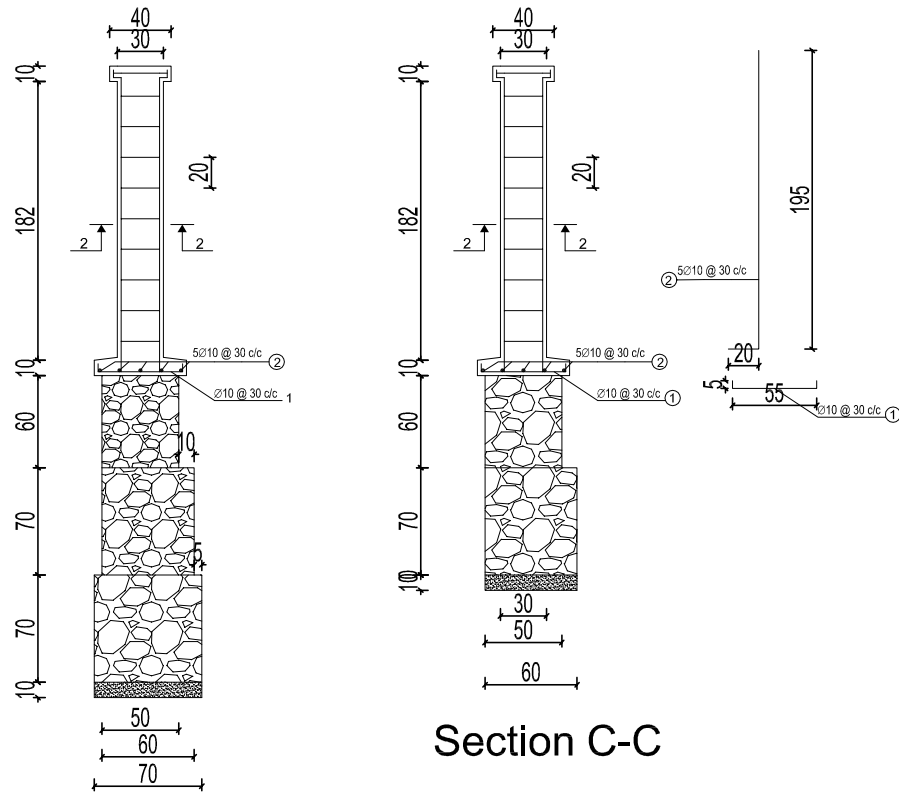
RUN Engineering Director

RUN Project Manager

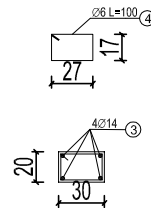
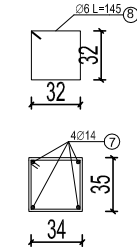
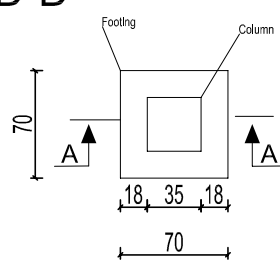
Project Name:
Children Park

Date:Dec-2012

Drawing Number : 5/21



Section D-D



Steel bar chart							
Bar no.	Bar dia (mm)	Num. of bar	Length (m)	Total length (m)	Weight (kg/m)	Total weight (kg)	Total weight + 5 % (kg)
1	10	860	0.65	559	0.617	344.90	362.14
2	10	5	265	1325	0.617	817.525	858.4
3	14	488	2.15	1049.2	1.209	1268.81	1332.25
4	6	1220	1.00	1220	0.222	270.98	284.53
5	10	42	0.7	29.4	0.617	18.13	19.04
6	10	42	0.7	29.4	0.617	18.13	19.04
7	14	28	3.54	99.12	1.209	119.83	125.82
4	6	112	1.45	162.4	0.222	36.52	37.855
Total weight:							3039.07

Drawing Title:
Surround wall section

Drawing Number : 6/21

Action:

Surveyed and drawn by:
Conceptual Approved by:
Conceptual Approved by:

Designed by:

Technical checked by:

Approved by:

Name:

Position / Organization :

Taloqan Municipality Engineer

Mayor of Taloqan

Head of Taloqan SDAG

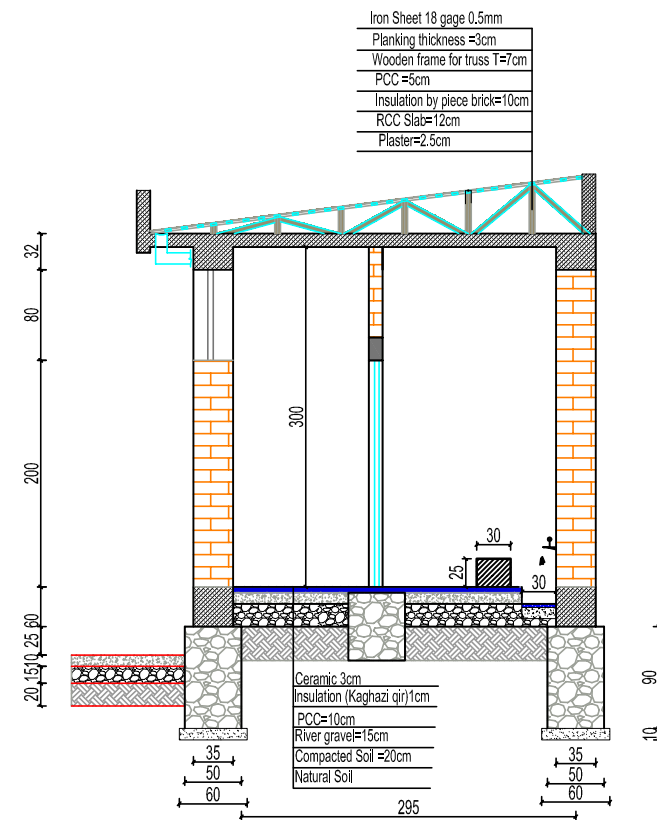
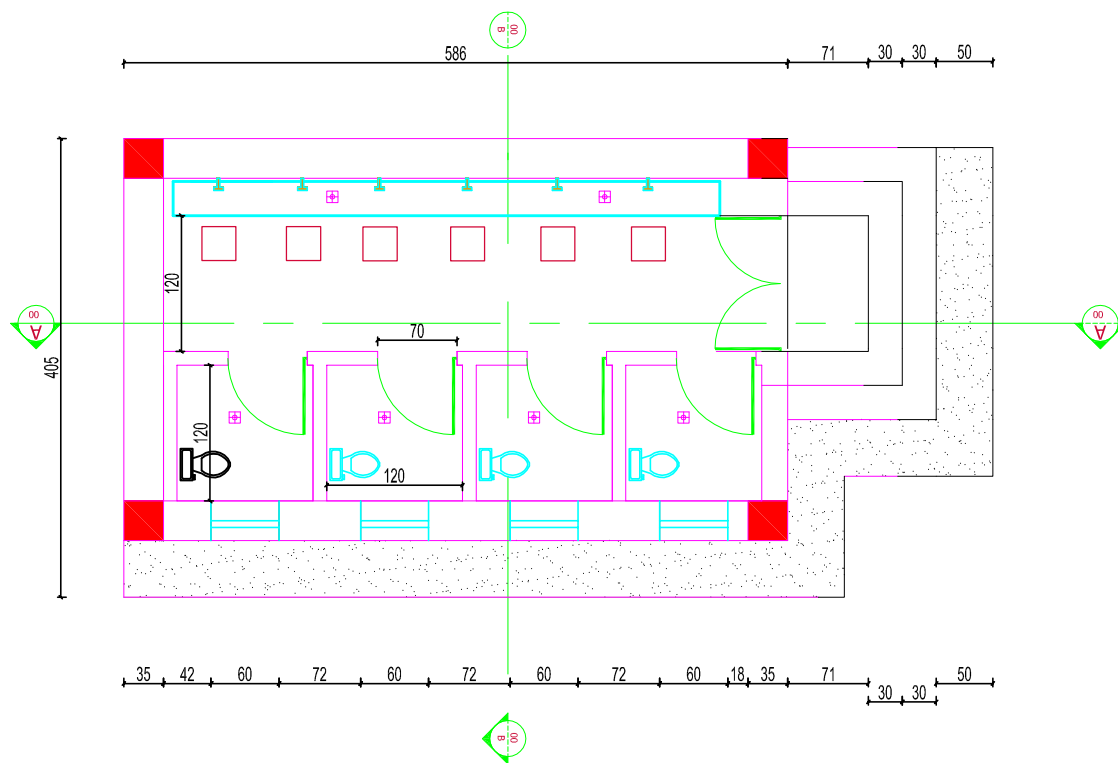
RUN-Taloqan Municipal Engineering Advisor

RUN Engineering Director

RUN Project Manager

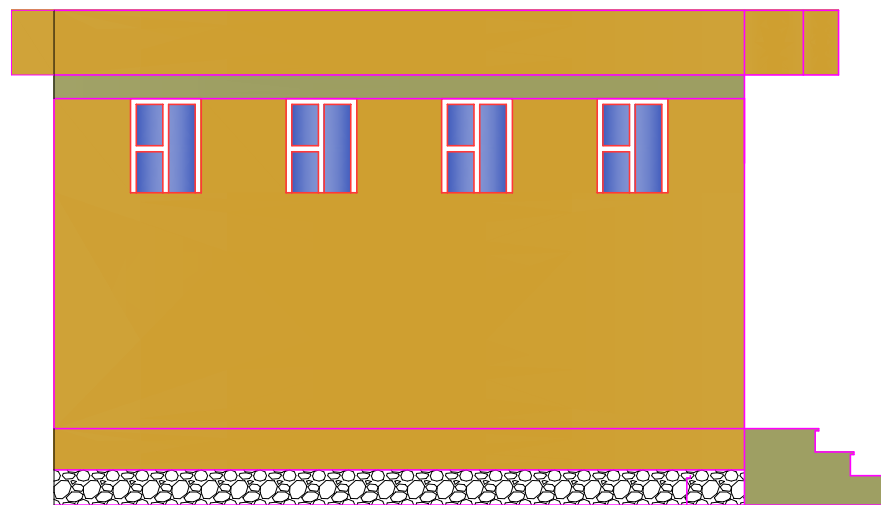
Project Name:
Children Park

Date: Dec-2012



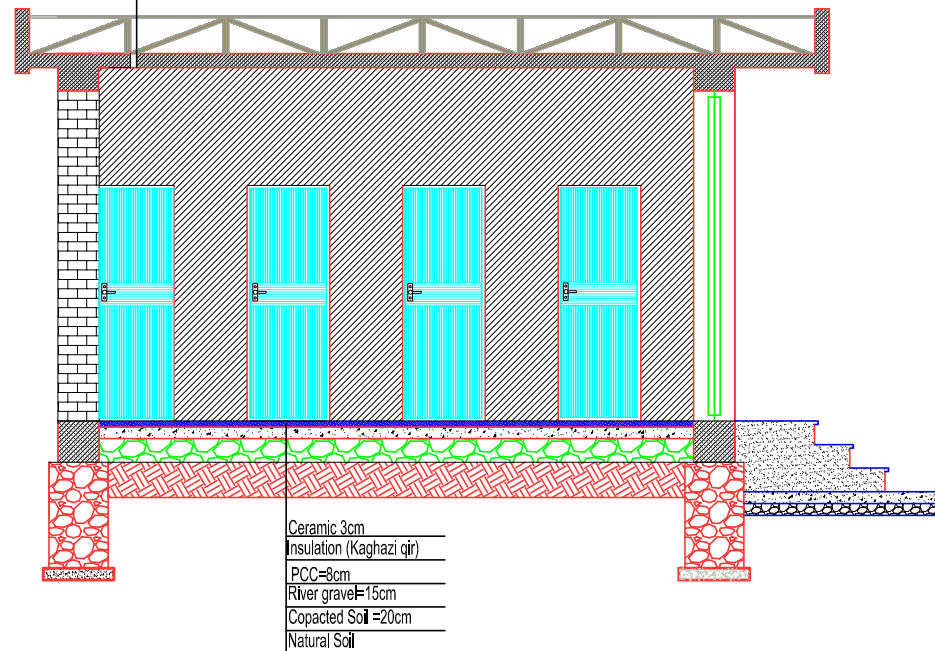
Section B-B

Drawing Title: Latrine Plan	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 7/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



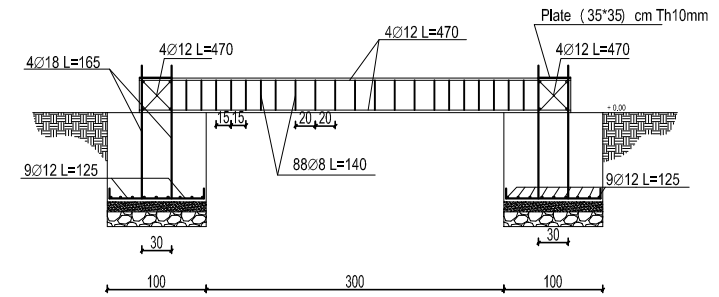
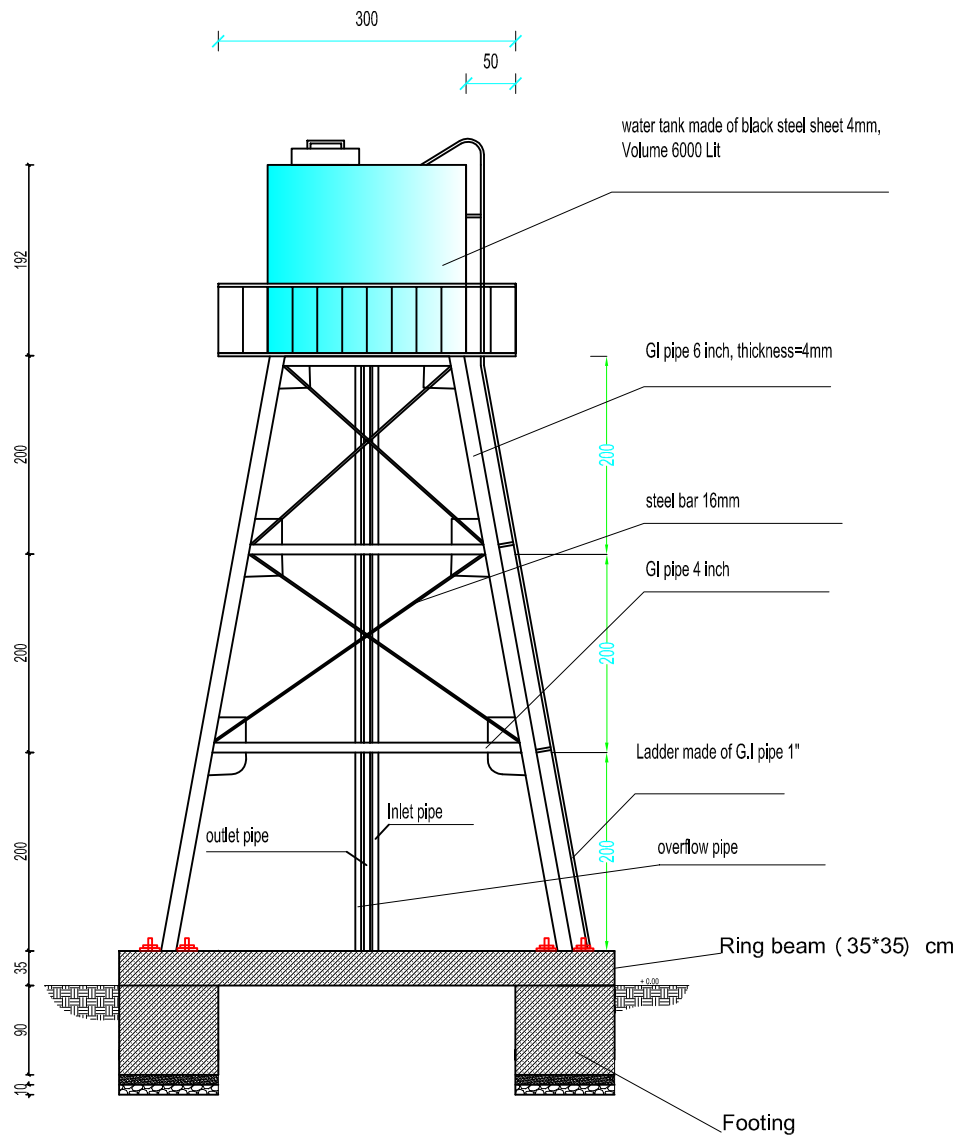
Latrine Front Elevation

Iron Sheet 18 gauge 0,5mm
Planking thick=3cm
Wooden frame for trass T=7cm
PCC =5cm
Insulation by brick=10cm
RCC Slab=12cm
Plaster=2cm

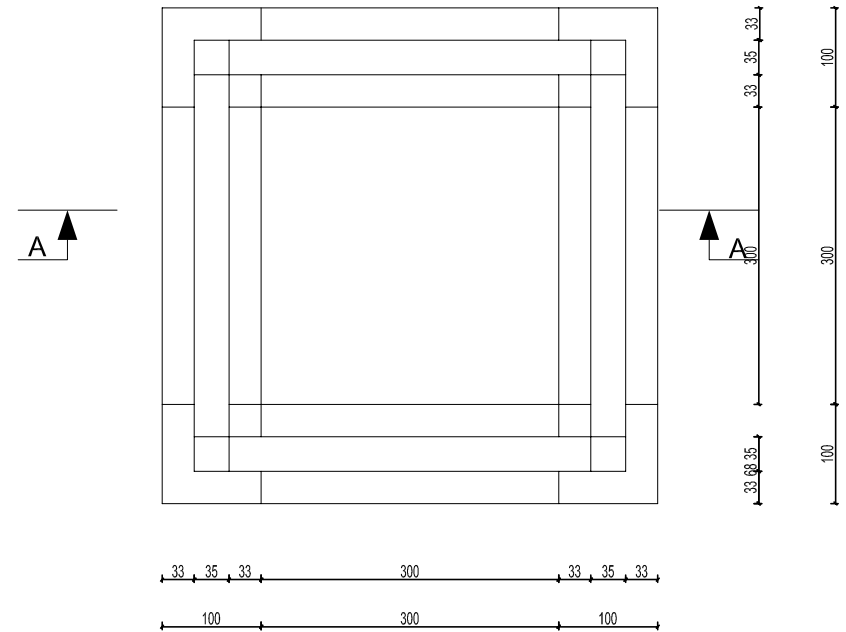


Section A-A

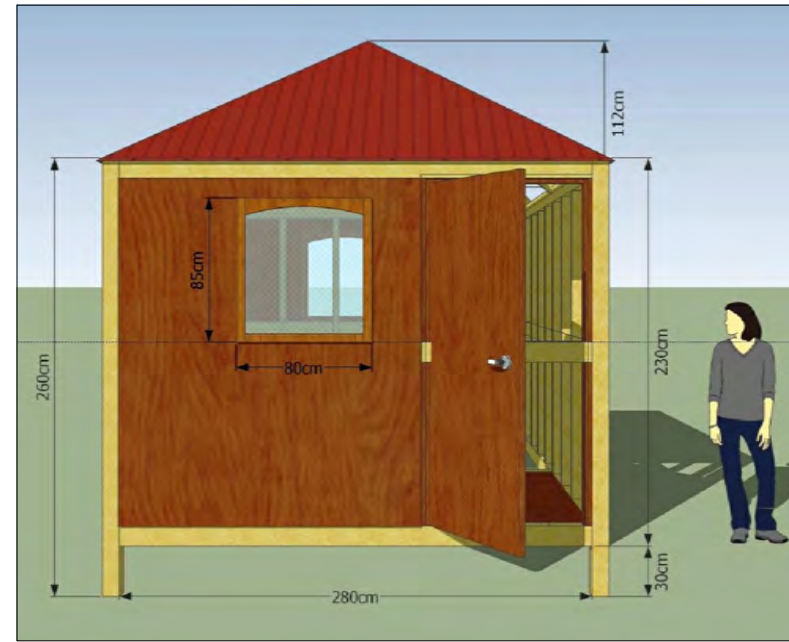
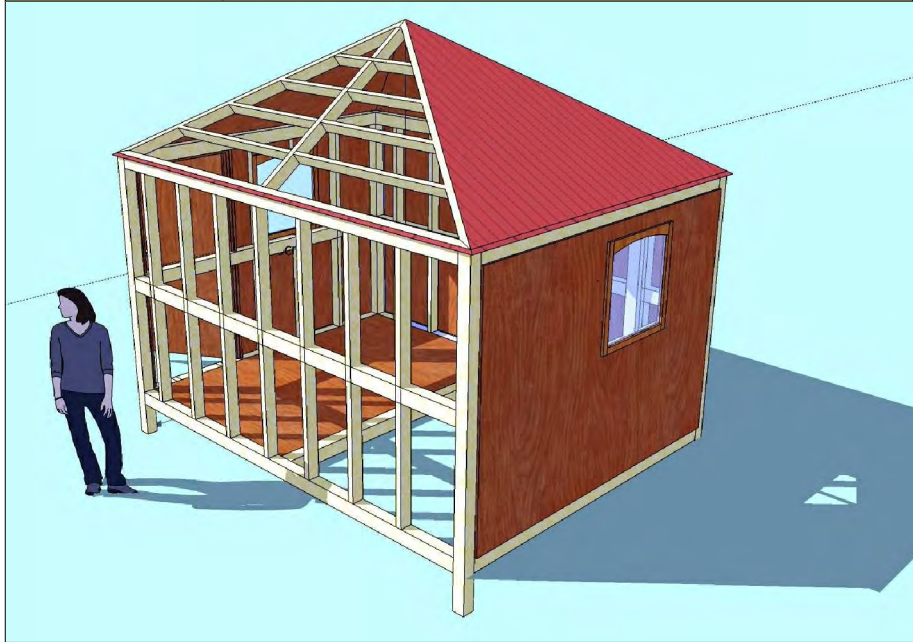
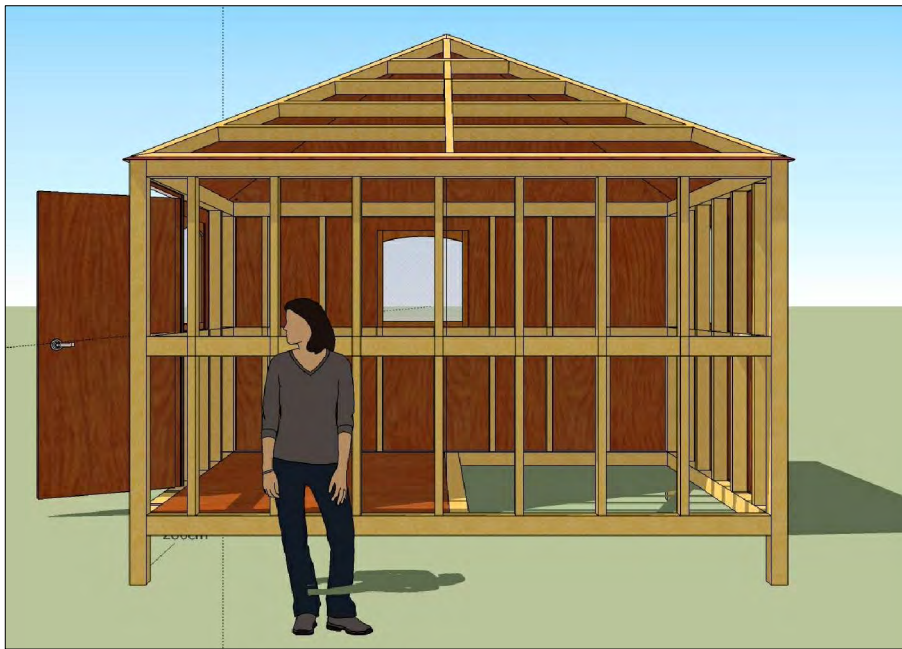
Drawing Title: Latrine view	Action:	Name:	Position / Organization :	Project Name: Children Park Date:Dec-2012
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 8/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Water reservoir foundation plan

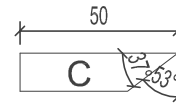
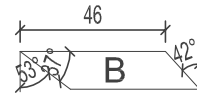
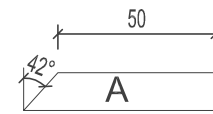


Drawing Title: Water reservoir	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 10/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dece-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

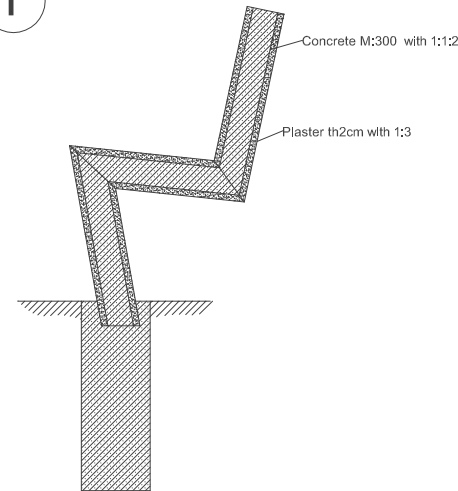
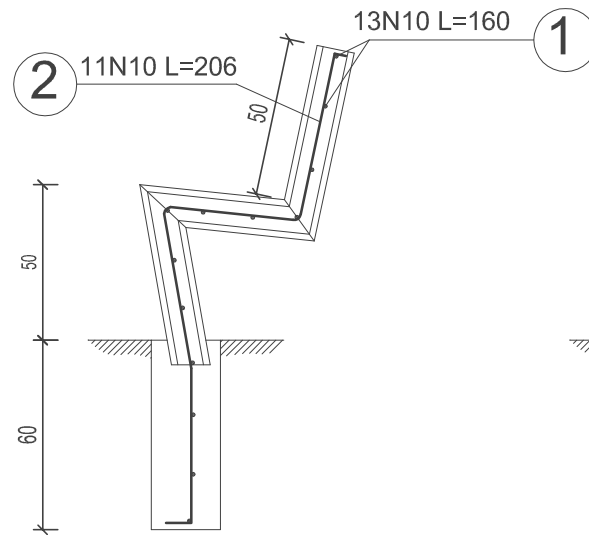
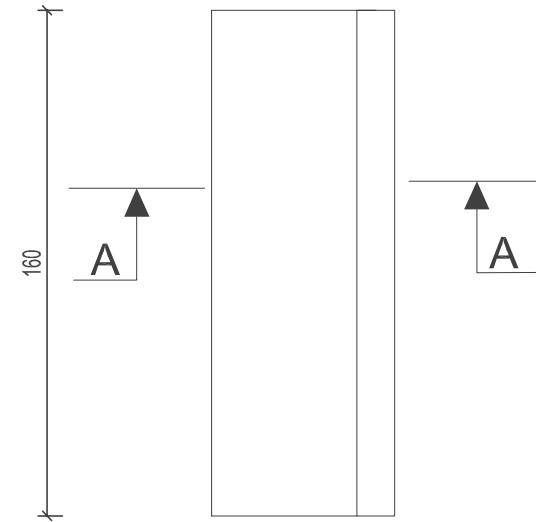


Drawing Title: Guard room	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 11/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

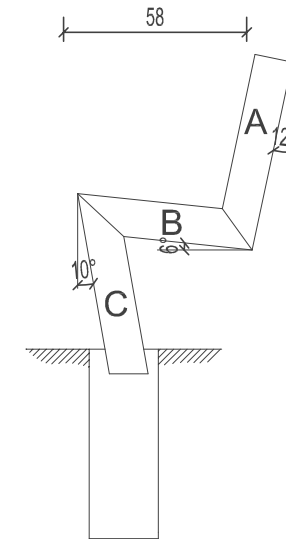
Steel bar chart							
Bar no.	Bar dia (mm)	Num. of bar	Length (m)	Total length (m)	Weight (kg/m)	Total weight (kg)	Total weight + 5 % (kg)
1	10	13	1.60	20.8	0.617	12.83	13.47
2	10	11	2.06	22.66	0.617	13.98	14.68
Total weight:							28.150



R.C.C Bench Plan

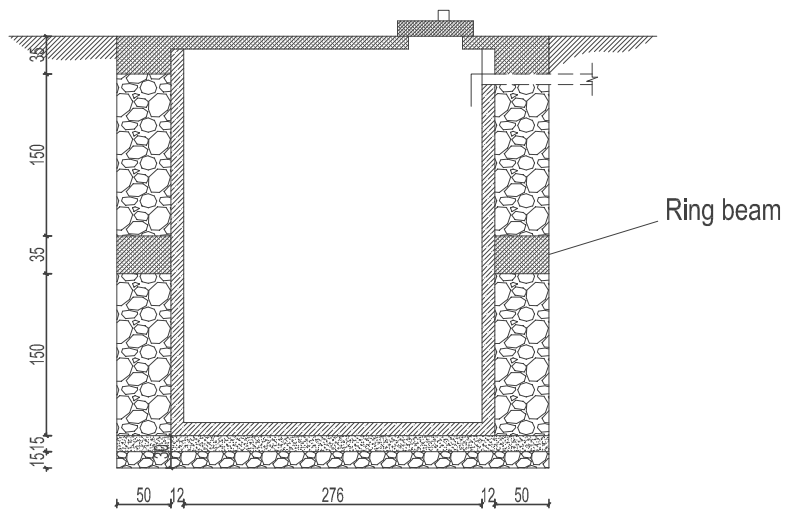


Detail -A



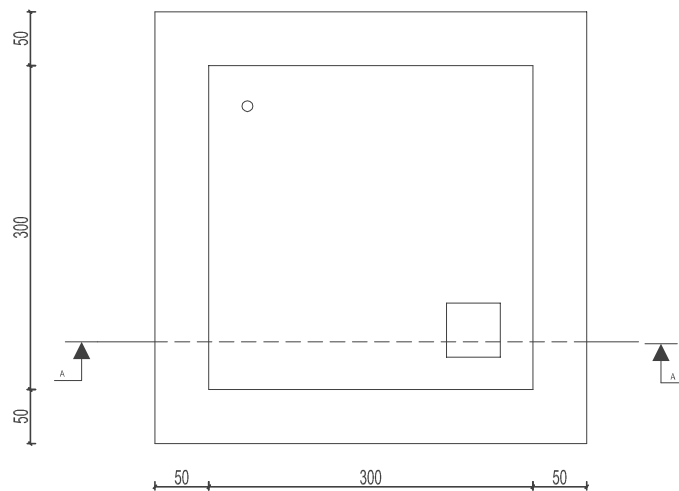
Detail-A

Drawing Title: Chair	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 12/21	Designed by:		RUN-Taloqan Municipal Engineering Director	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

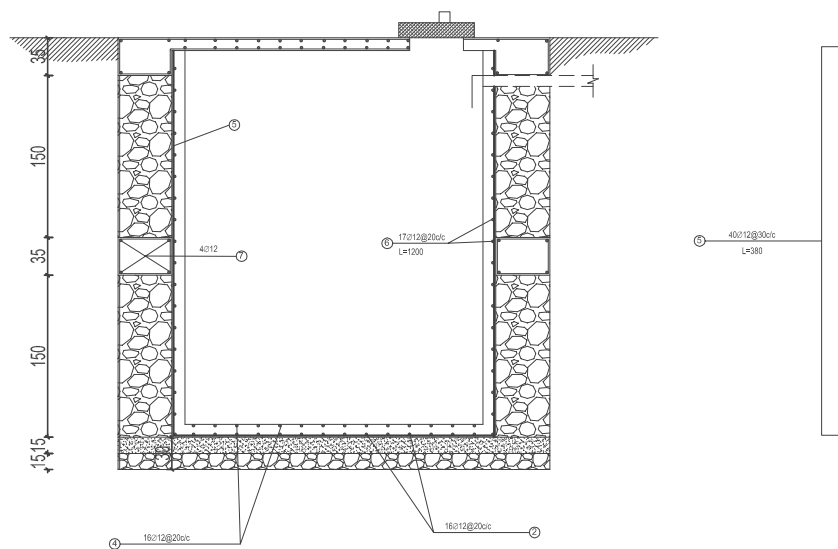
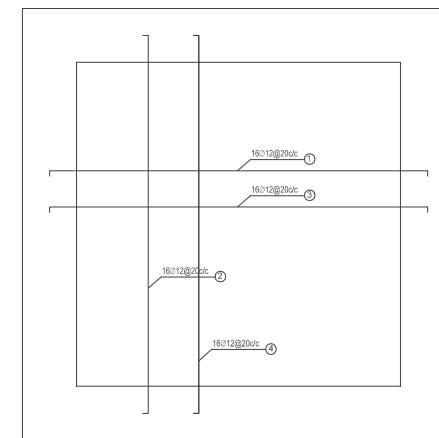


Section A-A

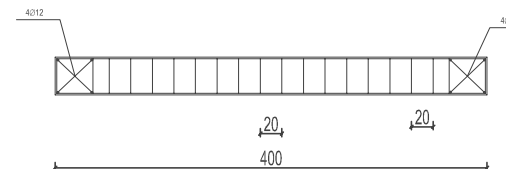
Septic Plan



Slab & Floor reinforcement pain

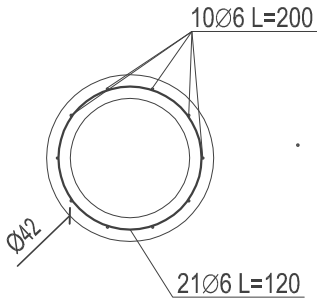


Ring Beamd steel bending

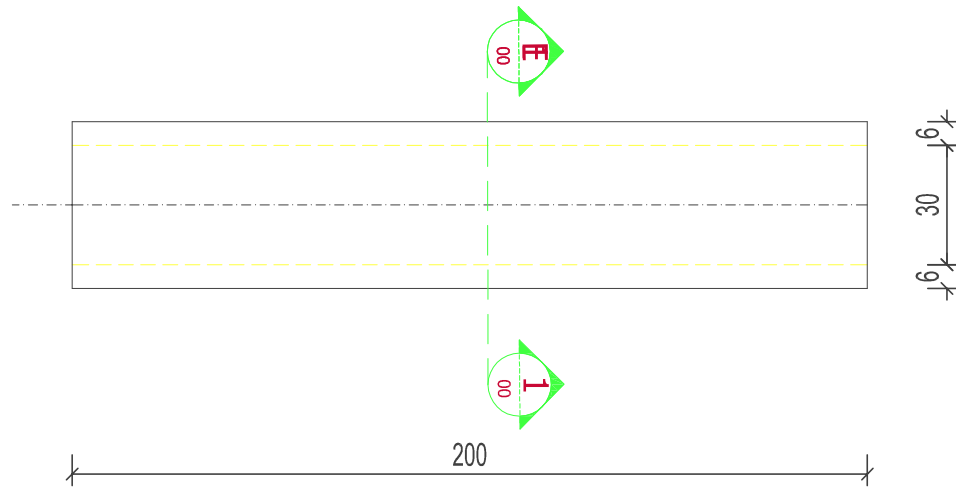


Drawing Title: Septic Tank	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 14/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

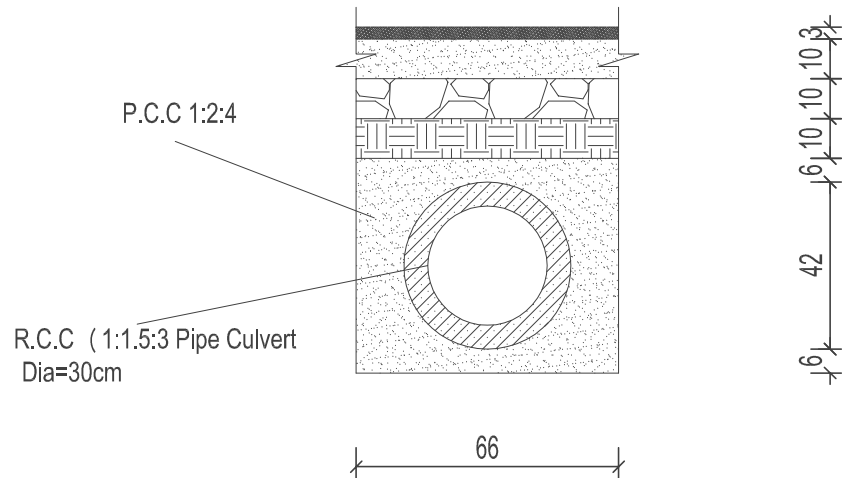
Pipe Culvert View



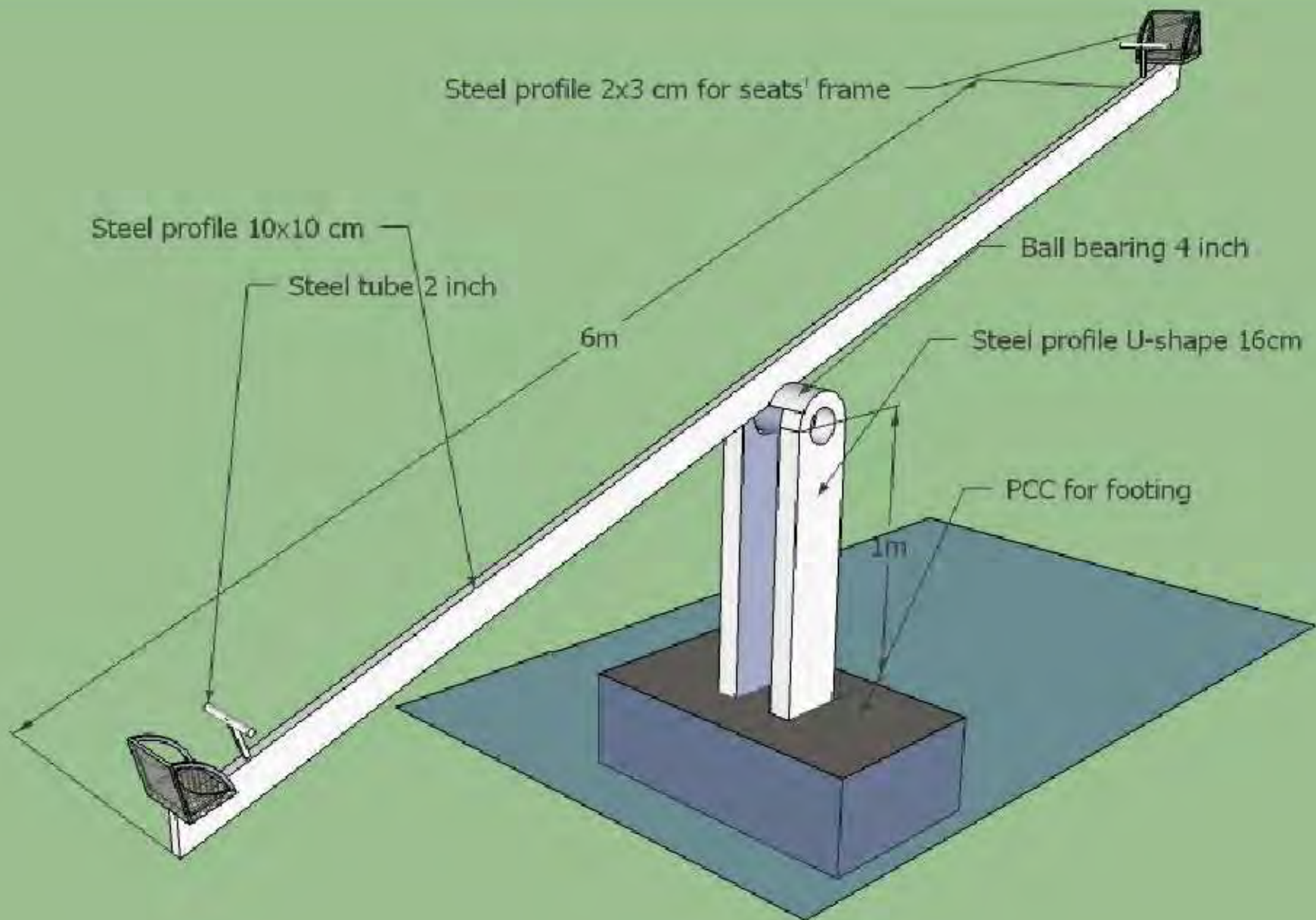
Section 1-1



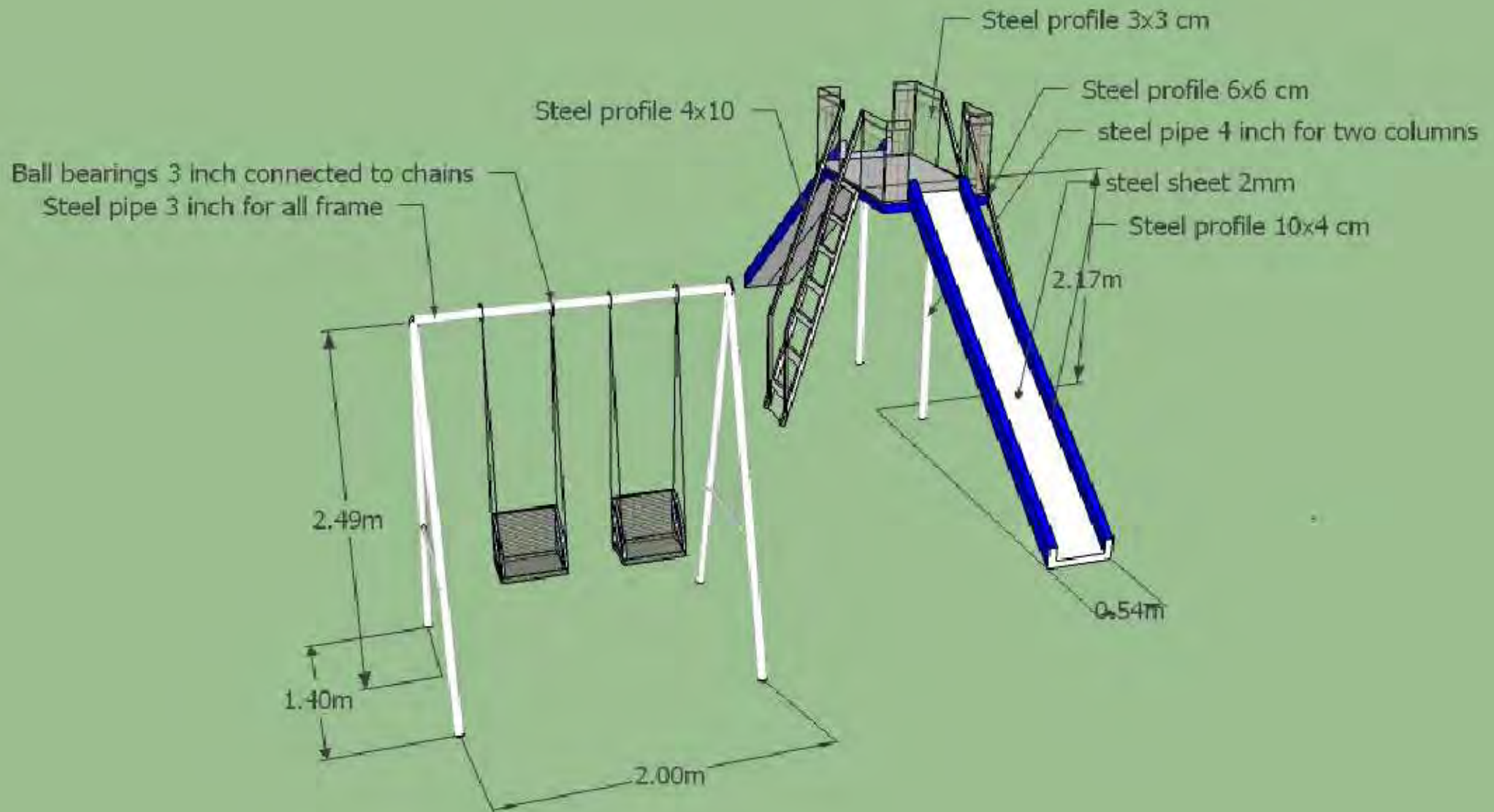
Section B-B



Drawing Title: Pipe Culvert	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 15/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drawing Title: Handle Cho	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 16/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drawing Title:
Seat swing & Slide

Drawing Number : 17/21

Action:

Surveyed and drawn by:

Conceptual Approved by:

Conceptual Approved by:

Designed by:

Technical checked by:

Approved by:

Name:

Position / Organization :

Taloqan Municipality Engineer

Mayor of Taloqan

Head of Taloqan SDAG

RUN-Taloqan Municipal Engineering Advisor

RUN Engineering Director

RUN Project Manager

Project Name:
Children Park

Date:Dec-2012



GI Pipe 4"

Ropes

GI Pipe 2"

Polyethylene

Drawing Title: Compuond tyos	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
Drawing Number : 18/21	Conceptual Approved by:		Head of Taloqan SDAG	Date:Dec-2012
	Designed by:		RUN-Taloqan Municipal Engineering Advisor	
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drawing Title: Children park south view	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
Drawing Number : 19/21	Conceptual Approved by:		Head of Taloqan SDAG	Date:Dec-2012
	Designed by:		RUN-Taloqan Municipal Engineering Advisor	
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drawing Title: Children park north view	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 20/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	



Drawing Title: Children park detail view	Action:	Name:	Position / Organization :	Project Name: Children Park
	Surveyed and drawn by:		Taloqan Municipality Engineer	
	Conceptual Approved by:		Mayor of Taloqan	
	Conceptual Approved by:		Head of Taloqan SDAG	
Drawing Number : 21/21	Designed by:		RUN-Taloqan Municipal Engineering Advisor	Date:Dec-2012
	Technical checked by:		RUN Engineering Director	
	Approved by:		RUN Project Manager	

APPENDIX B – TALOQAN CHILDREN PARK SCOPE OF WORK (SOW)

Regional Afghan Municipalities Program for Urban Populations

(RAMP UP-North)

Regional Command North

Project Proposal

Province: Takhar

Municipality: Taloqan

Project Number: RUN-P-TQN-004

Project Name: Children's Park Construction

Project Duration: 3 months

Estimated Project Cos [REDACTED]

Date: February 05, 2013

MGRS Coordinates of Project Area: 42SWF5393455107

GPS Coordinates:

Latitude: 36.44 12 N

Longitude: 69.32 17 E

I. Problem Statement:

Currently, the municipality of Taloqan does not have any parks for children, and therefore children do not have a safe place for recreation and entertainment. According to the Municipal Master Plan, a piece of land has been allocated for this purpose, but the area currently lacks any park facilities or equipment.

II. Solution Statement:

On September 26, 2012, a joint meeting of the Service Delivery Advisory Group (SDAG) and the Public Administration Advisory Group (PAAG) (22 participants, including 1 woman and 12 men from the SDAG and 9 men from the PAAG) was held, where participants selected the construction of a children's park as the first priority for the Taloqan Municipality. The children's park will include the construction of a boundary wall, construction of fountains, construction of a four-cabin latrine (two for boys and two for girls), construction of a guard room, digging of a semi-deep water well (tube well), installation of a water tank, construction of a drainage system, installation of children's playground equipment and construction of public seating areas and sidewalks.

III. Beneficiaries:

The direct beneficiaries of the project are estimated at 2,000 families (approximately 13,000 people, 6630 men and 6370 women), which will include 6,000 children (2,940 girls and 3,060 boys), as well as indirect beneficiaries of individuals who come from other parts of the province to use the park.

IV. Scope of Work:

A. Methodology:

The proposed project requires construction work, which will be sub-contracted to a private company. The sub-contractor will be selected through a transparent procurement process, and the sub-contractor will complete the required activities under the supervision of the Municipality and RAMP UP-North.

B. Goods and Services Requested:

The Taloqan Municipality and SDAG have agreed on the following activities for the park, which will be done by a subcontractor selected for the project:

- Site preparation for 2488 square meters (clearing and leveling the existing area to prepare for greenery) and mobilization with all required activities,
- Construction of 536m² of sidewalks with all required activities,
- Construction of a fence and stonemasonry surrounding wall around the park that is 238m length with all required activities,
- Installation of playground and park equipment including: swing set (Gaze), compound playground (monkey bars, slide and leader), *Handalcho*, Slide, RCC Bench, RCC Pipe culverts, RCC Culverts and all required activities, according to the drawings,

- Construction of a 4-cabin latrine with two stalls for boys and two for girls,
- Construction of a tube well (by Hummer machine), digging of well, installation and lowering casing pipe and filter class C, installation of a water pump, Apron, Generator and water reservoir.

C. Goods and Services Contributed by Municipality (estimated value of [REDACTED]):

S/N	Activities	No	Length (M)	Width (M)	Depth (M)	Detailed Quantity	Unit	Quantity	Unit Price in AFA	Total Price in AFA
1.1	Site preparation for greening of the park						M2	3264.00		
1.2	Grass for park lawn						M2	2500.00		
1.3	Supply and installation of trash bin s						No	8.00		
1.4	Supply and planting of trees in the park area						No	200.00		
Estimated Value of Goods and Services Contributed by Municipality:										

All subcontractors for RAMP UP-North activities are required to hire local laborers for all unskilled labor positions. These laborers will be hired from within the community of the nearby villages and beneficiaries of RAMP UP-North activities. The subcontractor shall be responsible for providing documentation of the number of both skill and unskilled laborers and number of days worked.

Cost Estimation for Goods and Services Provided by RAMP UP-North

BoQ for Children Park, Taloqan Municipality , Afghanistan										
S/N	Activities	No	Length (M)	Width (M)	Depth (M)	Detailed Quantity	Unit	Quantity	Unit Price in AFS	Total Price in AFS
1	Site Preparation 2488 square meter (clearing and leveling of the exist lawn which should be ready for greenery) and mobilization with all required activities									
1.1	Leveling and clearing of lawn to be ready for greenery in south east of park with needed 1 % slope.	1	34	17		578	M2	578		0
1.2	Leveling and clearing of lawn to be ready for greenery in south west of park with needed 1 % slope.	1	34	17		578	M2	578		0
1.3	Leveling and clearing of lawn to be ready for greenery in north east of park with needed 1 % slope.	1	30	18		540	M2	540		0
1.4	Leveling and clearing of playground to be ready for greenery in north east of park with needed 1 % slope.	1	44	18		792	M2	792		0
2	Side walk 536m2 including leveling of side walk base , compacting , base course 15cm , Plain Concrete Cement 10cm , terrazzo tile with needed mortar and with all required activities.									
2.1	Leveling and compacting of side walk with all required activities	1	134	4		536.00	m2	536.00		0
2.2	Base course (30 % Sand +40 % river gravel and 30 soil) under the Plain Concrete Cement (P.C.C) with compaction and watering.	1	134	3.6	0.15	72.36	M3	72.36		0
2.3	Plain Concrete Cement (PCC) M:150, 1:2:4) for under the terrazzo tile	1	134	3.6	0.1	48.24	M3	48.24		0
2.4	Terrazzo tile for the side walk on top of PCC , including needed mortar and all required activities , the Terrazzo strengthen must be 14MPa	1	134	4		536.00	M2	536.00		0
2.5	Concrete block (50x20x30) on the edge of sidewalks with M:150 and all required activities	895	0.5	0.3	0.2	26.85	M3	26.85		0
2.6	Excavation of side ditch with natural slope	2	134	0.3	0.3	24.12	M3	24.12		0
3	Fence surrounding wall around the park with 238 m length including excavation of foundation , stone masonry for foundation and super stone masonry , RCC ring beam upper stone masonry , pointing , R.C.C Column ,electrical work , plastering ,gates, fencing including two coats anti rust and 2 coats oil painting with all required activities.									
3.01	Excavation of foundation in 2th grade land	1	265	0.7	0.8	148.4	M3	148.40		0
3.02	Plain Concrete Cement (P.C.C) under the stone masonry as design with M: 100 ,1:3:6	1	265	0.7	0.1	18.55	M3	18.55		0
3.03	Stone masonry for foundation with 1:5 mortar	1	244	0.6	0.7	102.48	M3	102.48		0

3.04	Stone masonry for foundation of 10 m length wall in northwest of park (to be seen section D-D) with 1:5 mortar	1	12	0.7	0.7	5.88	M3	5.88		0
3.05	Stone masonry above the foundation (Kursy)for surround wall with 1:5 mortar	1	238	0.5	0.6	71.40	M3	71.40		0
3.06	Joint sealant for surround wall construction joint	20	1.3	0.6		15.60	M2	15.60		0
3.07	Concrete for ring beam upper stone masonry of surround wall with M: 200, 1:1.5:3, with shuttering, steel work and all required activities.	1	238	0.6	0.125	17.85	M3	17.85		0
3.08	Concrete for 7 column including foundation in each side of gates with M: 200 , 1:1.5:3, with shuttering , steel work and all required activities.	7	3.9	0.35	0.35	3.34	M3	3.34		0
3.09	Concrete for column of surround wall with shuttering and steel work as drawing with M:200 , 1:1.5:3,	122	1.9	0.2	0.3	13.91	M3	13.91		0
3.1	Plastering of ring beam upper stone masonry with 1:3 mortar	1	238	0.8		190.40	M2	190.40		0
3.11	Plastering of column with 1:3 mortar	129	1.9	1		245.10	M2	245.10		0
3.12	Pointing of stone masonry with 1:3 mortar	2	238	0.6		285.60	M2	285.60		0
3.13	Steel bar for ring beams upper stone masonry and column	3039					Kg	3039.07		0
3.14	Supply and installation of decorative fence with profile (30*30)mm 18 gage, caps, steel plate (Paty) including 2 coat anti rust and 2 coat oil painting with all required activities as drawing	1	238				M	238.00		0
3.15	Supply and installation of Gate for three side of the park including 2 coat anti rust and 2 coat oil painting with all required activities as drawing	3	3	2.5		22.50	M2	22.50		0
3.16	Extiorer light with cover shade on top of column of surrounding wall as drawing	72					Each	72.00		0
3.17	Supply and installation of wire 2*2.5mm for wiring of lights including conduit.	600					M	600.00		0
3.18	Supply and installation of Metallic Fuse box including switches, fuses for lights and all required activities.	1					Lsm	1.00		0
4	Playground toys and other Park equipment included: swing seat (Gaze) , compound playground (monkey bars , slide and leader), Handal cho , Slide , RCC Bench , RCC Pipe culvert , RCC Culverts and all required activities. (see the drawings)									
4.1	Supply and installation Two swing seat (Gaze) according to the drawing with all required activities.	4					No	4.00		0
4.2	Supply and installation of Compound Playground Equipment (monkey bars, slide and leader) based on the drawing and specification with all required activities.	2					Set	2.00		0
4.3	Supply and installation of Seesaw (Handal Cho) according to the drawing and specification with all required activities.	4					No	4.00		0
4.4	Supply and installation Slide according to the drawing and specification with all required activities.	4					No	4.00		0

4.5	RCC Bench with (M: 200, 1:1.5:3) as drawing with all required activities (frame work, painting, excavation, steel bending, installation and etc..)	35					Set	35		0
4.6	RCC Pipe culvert (as drawing)for drainage of park in specified place in children park plan including installation with all required activities	32					No	32.00		0
4.6	Reconstruction of exist shade (canopy) for purpose of canteen activities included: supply and installation of door, windows, shelves, wooden wall, Chinese ceiling, and painting with all required activities.	1				1.00	Ls	1.00		0
4.7	RCC Culvert with size (60x60 cm) and length = 600cm including foundation work, stone masonry, wing walls, RCC slab, PCC for floor, backfilling and pointing with all required activities	1				1.00	Ls	1.00		0
5	Construction of 4 cabin latrine activities included: excavation, stone masonry, brick masonry wall , ring beams , RCC slab , truss, iron sheets, water supply and water sewer, electrical work, plastering , painting base on the drawings.									
5.01	Excavation of foundation as drawing	1	18.82	0.6	0.6	6.78	M3	6.78		0
5.02	Stone & Super stone masonry for foundation with 1:5 mortar	1	18.82	0.5	0.9	8.47	M3	8.47		0
5.03	Plain Concrete Cement (PCC) for under the stone masonry ,footing , walk way , floor , ablution area and stairs as drawing with 150 , 1:2:4 with all required activities					5.10	M3	5.10		0
5.04	Brick masonry for wall as drawing with 1:5 mortar					15.90	M3	15.90		0
5.05	Concrete (M:200, 1:1.5:3) for ring beam upper stone masonry, upper brick masonry, slab and column with frame work and steel work					10.44	M3	10.44		0
5.06	Steel bar class A-2					726.29	Kg	726.29		0
5.07	Supply and installation of one layer of sealant (Isogamy) for floor it should be best quality.	1	3.55	5.86		20.80	M2	20.80		0
5.08	Supply and installation of ceramic on the floor and wall of latrine with required 1:3 mortar					71.12	M2	71.12		0
5.09	Plaster of the interior, exterior walls and ceiling with M1:4 smoothly finished with required activity.					114.00	M2	114.00		0
5.1	Three coats of 100 % plastic painting for the interior & exterior walls and ceiling one prime coat and two fine finishing coats with all related activities.					114.00	M2	114.00		0
5.11	Supply and installation of flat water closet complete set (Kamood), highest quality, with all related activities.					4.00	Set	4.00		0
5.12	Supply and installation of sink complete set (Dastshoy) good quality for toilet with its all related activities.					2.00	Set	2.00		0
5.13	Pointing of stone masonry with 1:3 mortar	1	19.72		0.4	7.89	M2	7.89		0
5.14	Supply and installation of wooden doors and windows, complete with glass, painting and all related activities according drawing.					12.00	M2	12.00		0

5.15	Supply and installation of Interior Electrical system for the proposed building (different size conduits, different wires and cable, join box, switches, sockets, grounding, ventilator, fuse, fuse box, water proof lights, and installing connections to the main Generator room electrical source, along with all other items needed to complete the electrical system.					1.00	Ls	1.00		0
5.16	Supply and installation interior water supply and sewer system, including installing a connection between the latrine and water reservoir and latrine sewer to septic tank (all pipes and fittings for the sewer system should be class D, best quality, and also including a sand bed, caution taps, and also insulation for all pipes) along with all related activities.					1.00	Ls	1.00		0
5.17	Supply and installation of complete Wooden Truss 50% wooden timber (wooden timber plank =3cm, GI sheet 24 gage, gutters, glass wool) and all related activities.					26.34	M2	26.34		0
5.18	Construction of Septic tank, 24 m3 capacity, along with all required activities such as, excavation, stone masonry , gate, ladders, sealant, and backfilling as needed based on the drawings and technical specifications (2.76*2.76*3.2)m.					1.00	Ls	1.00		0
5.19	Back filling of floor and walkway with Soil thickness 40cm included compaction and watering.	1	6	4	0.4	9.60	M3	9.60		0
5.2	Back filling floor and walkway with river gravel thickness 15cm included compaction.	1	6	4	0.15	3.60	M3	3.60		0
6	Tube well (by Hummer machine), digging of well, installation and lowering casing pipe and filter class C, installation of water pump , Apron, Generator , water reservoir,									
6.01	Digging of well diameter 14"-16"						M	45		0
6.02	Filter & pipe lowering						LS	1		0
6.03	Back filling (Soil & Gravel) include providing gravel						LS	1		0
6.04	Supply and installation of water pump 1" Italian						Set	1		0
6.05	PVC (Class -C) Pipe 1" diameter						M	60		0
6.06	PVC (Class - C) 4 " diameter pipe						M	30		0
6.07	PVC (Class - C) 4 " diameter filter pipe						M	15		0
6.08	Plate form (Apron)						LS	1		0
6.09	Gravel for gravel packing						M3	2		0
6.10	Generator 6KW mad of Japan						Set	1		0
6.11	Cable (4*12)mm2 for connecting Latrine , Guard room and tube well to Generator room						M	200		0

6.12	Supply and Installation of overhead water tank (6000 liter capacity and steel sheet T 4 mm) with 6 meter height from the ground, GI pipe 4 inch for poles, metallic frame, painting, insulation, piping works, overflow, valve, wash pipe, foundation work: excavation PCC, RCC ring and all other related activities as drawing						Ls	1.00		0
8	Branding, opening and closing ceremony						Ls	1.00		0
Estimated Cost of Goods and Services Provided by RAMP UP North:										

V. Involvement and Leadership of Municipal Staff in Project Selection, Development, Implementation & Monitoring and Evaluation:

Municipal leadership including the Mayor, Head of the Engineering Department and the Service Delivery Advisory Group (SDAG) have been involved during the entire process and selection of the Children's Park Project. On September 26, 2012, a joint meeting of the Service Delivery Advisory Group (SDAG) and the Public Administration Advisory Group (PAAG) (22 participants, including 1 woman and 12 men from the SDAG and 9 men from the PAAG) was held where participants selected the construction of a children's park as the first priority of the Taloqan Municipality.

On November 18, 2012, Municipal Engineers, SDAG members, and the RAMP UP- North team visited the site to conduct a site survey to specify the exact location of the Children's Park. Following this visit, the participants defined the final scope of work for the project. The RAMP UP- North team, in cooperation with the municipal engineers, also developed project designs and estimations. The Mayor of Taloqan and the Head of the Municipal Construction Department have both committed to lead municipal monitoring, evaluation, and oversight of this project along with the SDAG Monitoring Committee.

VI. Level of Public Participation:

On September 26, 2012, a joint meeting of the Service Delivery Advisory Group (SDAG) and the Public Administration Advisory Group (PAAG) (22 participants, including 1 woman and 12 men from the SDAG and 9 men from the PAAG) was held where participants selected the construction of a children's park as the first priority of the Taloqan Municipality.

On November 12, 2012, a meeting of the SDAG Procurement and Monitoring Committee members together with municipal officials along with the RAMP UP-North team took place and SDAG members and municipal officials promised to play an active role during the implementation and monitoring of the project during implementation and also the SDAG members committed to continuously to monitor the operation of the project and revenue collection after project completion.

VII. Activity Objectives:

- Provide a secure environment for children to play.
- Improve communication and relationships between the mayor/municipal officials and citizens.
- Improve upon and increase the level of service delivery to Taloqan citizens, particularly through access to parks and recreational services.
- Improve the public's perception of the municipality's ability to deliver sustainable services.
- Increase the capacity of the Taloqan Municipality in project implementation.
- Increase revenue generation and the sustainability of municipal service delivery.

VIII. Sustainability and Maintenance:

Municipality and Citizens Contribution (After Project Completion):

The maintenance of the children's park is an essential issue for the Taloqan Municipality and the SDAG. Both consider the contracting of the maintenance, operation, and revenue collection to the private sector as a critical part of sustainability. The municipality anticipates that contracting the management, operation, and maintenance of this project to the private sector will also provide a regular source of revenue to the municipality to maintain and sustain the children's park, as well as provide quality services to citizens. The partnership will also increase the transparency of the revenue available to the municipality.

The municipality in coordination with SDAG members has developed a sustainability and maintenance plan that explains the revenue projections from entrance fees and operation and maintenance requirements for the children's park.

SDAG members promised during meetings dated October 2, 2012, and November 12, 2012, to play an active role in the monitoring of the Construction of Children's Park project during its initial construction and also to monitor the operation of the project and revenue collection after project completion.

Revenue Enhancement:

Potential revenues from the Children Park have been estimated based on the established entrance fees, along with estimated operations costs (gardener salary, cleaner salary and maintenance costs) and a reasonable contractor profit margin. The entrance fee will be set by the municipality, based on the advice of the SDAG on reasonable rates, at 10 Afghani (\$0.20 USD). The municipality will receive \$120 USD monthly and \$1,080 USD annually (based on 9 months revenue).

SUSTAINABILITY ANALYSIS
FOR
CHILDREN'S PARK CONSTRUCTION, DISTRICT 3, TALOQAN MUNICIPALITY

MONTHLY AND ANNUAL REVENUE GENERATION				
No. Visitors/Canteen	Rate per user (USD)	Total Revenue daily (USD)	Total Revenue Monthly (USD)	Total Revenue Annually (Based on 9 Months) (USD)
100 Visitors	0.20	20	600	5,400
1 Canteen			20	180
Total Revenue Monthly and Annually (USD)			620	5,580

MONTHLY AND ANNUAL O&M EXPENSES					
Description	Unit	Quantity (Monthly)	Unit Cost (USD)	Total Cost/Monthly (USD)	Total Cost/Annual (USD)
Gardiner	Person	1	100.00	100	1,200
Cleaner	Person	1	100.00	100	1,200
Monthly maintenance costs	LS	1	100.00	100	1,200
Maintenance costs for the latrine, supplies, black water removal and electricity	LS			50	450
Total				350	4,050

REVENUE GENERATION ANALYSIS				
Monthly Revenue (USD)	Less Monthly O&M Expenses (USD)	Less Monthly Contractor Profit (USD)	Municipality Monthly Net Revenue (USD)	Annual Municipality Net Revenue (Based on 9 Months) (USD)
620	350	150	120	1,080

IX. Capacity Development:

The project will help to develop the capacity of municipal officials and staff by applying a learning-by-doing approach in terms of planning, implementation, monitoring and managing. The capacity building focused/will focus on the following;

- Project selection process
- Project development process
- Project procurement process
- Project implementation
- Project monitoring
- Public-private partnerships

X. Unique Aspects of Project:

- Provides a safe recreational environment for citizens.
- Areas for additional public-private partnerships include collaborating with businesses on park development in exchange for space for advertisements and leasing out the canteen cabin to a private contractor.

XI. Sketches:

[illegible]

XII. Photos – Pre-Implementation:



XIII. Conceptual Drawings – Post-Implementation:



